

?show files;ds

File 654:US PAT.FULL. 1990-2002/MAR 19

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Set	Items	Description
S1	5	AU=(STOBBS G? OR BIERNACKI J? OR STOBBS, G? OR BIERNACKI, - J?) AND PATENT?(S)CLAIM? ?

?t1/3,k/all

1/3,K/1

DIALOG(R)File 654:US PAT.FULL.

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03382360

Utility

BILEAFLET HEART VALVE HAVING OPEN CHANNEL AND SWIVEL PIVOTS

PATENT NO.: 6,296,663

ISSUED: October 02, 2001 (20011002)

INVENTOR(s): Patke, Nandkishor G., Shoreview, MN (Minnesota), US (United States of America)

Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)

Stobbs, Gene E., Brooklyn Park, MN (Minnesota), US (United States of America)

ASSIGNEE(s): Medical CV, Inc, (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)

APPL. NO.: 9-286,161

FILED: April 05, 1999 (19990405)

CO-PENDING APPLICATIONS

The present application is a continuation-in-part application of co-pending U.S. patent application Ser. No. 09-165,442 filed Oct. 2, 1998, which claims priority to U.S. Provisional Application No. 60-060,922, filed Oct. 3, 1997, and is a continuation-in-part of U.S. patent application Ser. No. 09-143,669, filed Aug. 31, 1998, now abandoned, which is a continuation of U.S. patent application Ser. No. 08-626,170, filed Mar. 29, 1996, now issued as U.S. Pat. No. 5,824,062, issued Oct. 20, 1998, which is a continuation-in-part of both U.S. patent application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, each of which is entitled BILEAFLET HEART VALVE.

FULL TEXT: 1772 lines

...INVENTOR(s): US (United States of America)

Stobbs, Gene E...

...APPLICATIONS

The present application is a continuation-in-part application of co-pending U.S. patent application Ser. No. 09-165,442 filed Oct. 2, 1998, which claims priority to U.S. Provisional Application No. 60-060,922, filed Oct. 3, 1997, and is a continuation-in-part of U.S. patent application Ser. No. 09-143,669, filed Aug. 31, 1998, now abandoned, which is a continuation of U.S. patent application Ser. No. 08-626,170, filed Mar. 29, 1996, now issued as U.S...

...062, issued Oct. 20, 1998, which is a continuation-in-part of both U.S. patent application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, each of which...

... along the linear flow path through the bore of the annular base. The

Hanson '658 patent also describes the use of a pyrolytic carbon coating over a metallic or synthetic substrate...across the valve.

In a bileaflet valve structure such as disclosed in the Hanson '658 patent, the leaflets may each pivot fully between the open and closed portions on the order... the annular base accounting for a substantial reduction in antegrade circulation.

Although the Hanson '658 patent discloses the pivot ears preventing blood stagnation in the area of engagement with the recesses...foster the development of a thrombogenic mass. It is suggested that while the Hanson '658 patent shows a relatively shallow semi-circular recess, in practice it has not been possible to...from analyzing bileaflet heart valves, such as disclosed by the Hanson '658 and Possis '268 patents, that the leaflets divide the bore into three passages having ...with various other advantages and features of novelty are pointed out with particularity in the claims of the present invention annexed hereto and forming a part thereof. However, for a better...

1/3,K/2

DIALOG(R) File 654:US PAT.FULL.

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03315375

Utility

HIGH THERMAL RESISTIVITY CRYSTAL RESONATOR SUPPORT STRUCTURE AND OSCILLATOR PACKAGE

PATENT NO.: 6,236,145

ISSUED: May 22, 2001 (20010522)

INVENTOR(s): Biernacki, John, Glendale Heights, IL (Illinois), US (United States of America)

ASSIGNEE(s): CTS Corporation, (A U.S. Company or Corporation), Elkhart, IN (Indiana), US (United States of America)  
[Assignee Code(s): 21568]

APPL. NO.: 9-515,344

FILED: February 29, 2000 (20000229)

FULL TEXT: 467 lines

INVENTOR(s): Biernacki, John...

...of cryoprocessing to insure a given aging characteristic.

#### DESCRIPTION OF THE RELATED ART

Examples of patents and publications related to the present invention are as follows, wherein each patent or publication is herein incorporated by reference in its entirety for related and supporting teachings...

...a laser induced dry etching of vias in glass with non-contact masking

The foregoing patents reflect the state of the art of which the applicant is aware and are tendered...

... in the examination of this application. It is respectfully stipulated, however, that none of these patents teach or render obvious, singly or when considered in combination, applicants' claimed invention.

SUMMARY OF... is neither intended to define the invention of the application, which is measured by the claims, neither is it intended to be limiting as to the scope

1/3,K/3

DIALOG(R) File 654:US PAT.FULL.

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03257337

Utility

BILEAFLET HEART VALVE HAVING OPEN CHANNEL AND SWIVEL PIVOTS

PATENT NO.: 6,183,511

ISSUED: February 06, 2001 (20010206)

INVENTOR(s): Patke, Nandkishor G., Shoreview, MN (Minnesota), US (United States of America)

Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)

Stobbs, Gene E., Brooklyn Park, MN (Minnesota), US (United States of America)

ASSIGNEE(s): CV Dynamics, Inc., (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)

APPL. NO.: 9-165,442

FILED: October 02, 1998 (19981002)

CO-PENDING APPLICATIONS

The present application claims priority to U.S. Provisional application Ser. No. 60-060,922, filed Oct. 3, 1997, and relates to U.S. patent application Ser. No. 09-143669, filed Aug. 31, 1998, now abandoned which is a continuation of U.S. patent application Ser. No. 08-626,170, filed Mar. 29, 1996, now U.S. Pat. No. 5,824,062, which is a continuation-in-part of both U.S. patent application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, each of which is entitled BILEAFLET HEART VALVE.

FULL TEXT: 1273 lines

...INVENTOR(s): US (United States of America)

Stobbs, Gene E...

CO-PENDING APPLICATIONS

The present application claims priority to U.S. Provisional application Ser. No. 60-060,922, filed Oct. 3, 1997, and relates to U.S. patent application Ser. No. 09-143669, filed Aug. 31, 1998, now abandoned which is a continuation of U.S. patent application Ser. No. 08-626,170, filed Mar. 29, 1996, now U.S. Pat. No. 5,824,062, which is a continuation-in-part of both U.S. patent application Ser. No. 08-412,696 filed Mar. 29, 1995, now abandoned, and U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, each of which...

... along the linear flow path through the bore of the annular base. The Hanson '658 patent also describes the use of a pyrolytic carbon coating over a metallic or synthetic substrate...across the valve.

In a bileaflet valve structure such as disclosed in the Hanson '658 patent, the leaflets may each pivot fully between the open and closed portions on the order... the annular base accounting for a substantial reduction in antegrade circulation.

Although the Hanson '658 patent discloses the pivot ears preventing blood stagnation in the area of engagement with the recesses...foster the development of a thrombogenic mass. It is suggested that while the Hanson '658 patent shows a relatively shallow semi-circular recess, in practice it has not been possible to...from analyzing bileaflet heart valves, such as disclosed by the Hanson '658 and Possis '268 patents, that the leaflets divide the bore into three passages having unequal cross-sectional

Search Report from Ginger D. Roberts

areas, and... with various other advantages and features of novelty are pointed out with particularity in the claims of the present invention annexed hereto and forming a part thereof. However, for a better...

1/3,K/4

DIALOG(R)File 654:US PAT.FULL.

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03109978

Utility

URINARY CATHETER HAVING PALPITATABLE DISCHARGE VALVE WITH PROTECTIVE SHOULDERS

PATENT NO.: 6,050,934

ISSUED: April 18, 2000 (20000418)

INVENTOR(s): Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)  
Stobbs, Gene E., Brooklyn Park, MN (Minnesota), US (United States of America)  
Hashw, Adel M., Eden Prairie, MN (Minnesota), US (United States of America)  
Johnson, Shelley N., Minnetonka, MN (Minnesota), US (United States of America)

ASSIGNEE(s): CV Dynamics, Inc, (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)

APPL. NO.: 9-30,132

FILED: February 25, 1998 (19980225)

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application claims the benefit of prior filed, co-pending provisional application Serial No. 60-036,294 filed Feb. 26, 1997.

This application is also related to U.S. patent application Ser. No. 08-392,529 filed Feb. 23, 1995, and now abandoned; and U.S. patent application Ser. Nos. 08-546,572 filed Oct. 20, 1995, now issued as U.S. Pat. No. 5,624,395, and U.S. Ser. No. 08-605,435 filed Feb. 22, 1996 now issued as U.S. Pat. No. 5,707,357. Each of the aforementioned applications is hereby incorporated herein by reference.

FULL TEXT: 1018 lines

...INVENTOR(s): US (United States of America)  
Stobbs, Gene E...

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application claims the benefit of prior filed, co-pending provisional application Serial No. 60-036,294 filed Feb. 26, 1997.

This application is also related to U.S. patent application Ser. No. 08-392,529 filed Feb. 23, 1995, and now abandoned; and U.S. patent application Ser. Nos. 08-546,572 filed Oct. 20, 1995, now issued as U.S...

1/3,K/5

DIALOG(R)File 654:US PAT.FULL.

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02860192

Utility

BILEAFLET HEART VALVE HAVING DYNAMIC PIVOT MECHANISM

PATENT NO.: 5,824,062

ISSUED: October 20, 1998 (19981020)

March 22, 2002 4 09:16

INVENTOR(s): Patke, Nandkishor G., Shoreview, MN (Minnesota), US (United States of America)  
Mikhail, Adel A., Bloomington, MN (Minnesota), US (United States of America)  
Stobbs, Gene E., Brooklyn Park, MN (Minnesota), US (United States of America)  
Johnson, Shelley N., Minnetonka, MN (Minnesota), US (United States of America)  
ASSIGNEE(s): CV Dynamics, Inc, (A U.S. Company or Corporation), Inver Grove Heights, MN (Minnesota), US (United States of America)  
APPL. NO.: 8-626,170  
FILED: March 29, 1996 (19960329)

This is a continuation-in-part of both U.S. patent application Ser. No. 08-412,696 filed Mar. 29, 1995, and now abandoned, U.S. patent application Ser. No. 08-546,210 filed Oct. 20, 1995, now abandoned, both of which have the same title as set forth above, and for which the benefit of priority is hereby claimed pursuant to 35 USC section 120.

FULL TEXT: 1880 lines

...INVENTOR(s): US (United States of America)  
Stobbs, Gene E...

... along the linear flow path through the bore of the annular base. The Hanson '658 patent also describes the use of a pyrolytic carbon coating over a metallic or synthetic substrate...

...across the valve.

In a bileaflet valve structure such as disclosed in the Hanson '658 patent, the leaflets may each pivot fully between the open and closed portions on the order... the annular base accounting for a substantial reduction in antegrade circulation.

Although the Hanson '658 patent discloses the pivot ears preventing blood stagnation in the area of engagement with the recesses... foster the development of a thrombogenic mass. It is suggested that while the Hanson '658 patent shows a relatively shallow semi-circular recess, in practice it has not been possible to... even greater. Representative examples include the Hwang '367, Bokros '920, Olin '459, and Alonso '030 patents. If the pivotal axis of the leaflets are moved upwardly, incursions both above and below the annular base are encountered, as shown in the Bokros '165 patent.

Alternately, the overall height of the annular base can be increased rather than raising the... from analyzing bileaflet heart valves, such as disclosed by the Hanson '658 and Possis '268 patents that the leaflets divide the bore into three passages having unequal cross-sectional areas, and... with various other advantages and features of novelty are pointed out with particularity in the claims of the present invention annexed hereto and forming a part thereof. However, for a better...  
... ear 84' disposed between two flat surfaces 88' such as disclosed in the Hanson '658 patent is shown in FIG. 10.

FIG. 11 shows a leaflet 14 in which the peripheral... bileaflet heart valve 10, 110 without departing from the spirit and scope of the appended claims. It is to be understood that even though numerous characteristics and advantages of various embodiments...

...full extent indicated by the broad general meaning of the terms in which the appended claims are expressed.

?

Search Report from Ginger D. Roberts

?show files;ds

File 8: Ei Compendex(R) 1970-2002/Mar W3  
(c) 2002 Engineering Info. Inc.

File 10: AGRICOLA 70-2002/Mar  
(c) format only 2002 The Dialog Corporation

File 34: SciSearch(R) Cited Ref Sci 1990-2002/Mar W4  
(c) 2002 Inst for Sci Info

File 50: CAB Abstracts 1972-2002/Feb  
(c) 2002 CAB International

File 95: TEME-Technology & Management 1989-2002Jan W3  
(c) 2002 FIZ TECHNIK

File 144: Pascal 1973-2002/Mar W3  
(c) 2002 INIST/CNRS

File 240: PAPERCHEM 1967-2002/Feb W4  
(c) 2002 IPST

File 440: Current Contents Search(R) 1990-2002/Mar W4  
(c) 2002 Inst for Sci Info

Set	Items	Description
S1	8	AU=(STOBBS G? OR BIERNACKI J? OR STOBBS, G? OR BIERNACKI, - J?) AND NEURAL()NETWORK?

?t1/3,k/all

1/3,K/1 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2002 Engineering Info. Inc. All rts. reserv.

05868730 E.I. No: EIP01326604574

Title: Classification study for using acoustic-ultrasonics to detect  
internal decay in glulam beams

Author: Tiitta, M.E.; Beall, F.C.; Biernacki, J.M.

Corporate Source: University of California Forest Products Laboratory,  
Richmond, CA 94804-4698, United States

Source: Wood Science and Technology v 35 n 1-2 April 2001. p 85-96

Publication Year: 2001

CODEN: WOSTBE ISSN: 0043-7719

Language: English

Author: Tiitta, M.E.; Beall, F.C.; Biernacki, J.M.

Abstract: Bayes, k-nearest neighbor (KNN), and neural network  
classifiers were used to study the decay detection efficiency of  
acousto-ultrasonics (AU). Brown-rotted...

...using multiple signal feature sets in classification analysis. A 79%  
efficiency was achieved with the neural network classifier for  
detecting small levels of decay (10% of the cross section) and a 68...

Descriptors: Decay (organic); Wood; Ultrasonic applications; Neural  
networks ; Nondestructive examination

1/3,K/2 (Item 1 from file: 10)  
DIALOG(R)File 10: AGRICOLA  
(c) format only 2002 The Dialog Corporation. All rts. reserv.

3958510 23242755 Holding Library: AGL

Classification study for using acoustic-ultrasonics to detect internal  
decay in glulam beams

Tiitta, M.E. Beall, F.C.; Biernacki, J.M.

Berlin : Springer-Verlag.

Wood science and technology. Apr 2001. v. 35 (1/2) p. 85-96.

ISSN: 0043-7719 CODEN: WOSTBE

DNAL CALL NO: SD433.A1W6

Language: English

Beall, F.C.; Biernacki, J.M.

Bayes, k-nearest neighbor (KNN), and neural network classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

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1/3,K/3 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2002 Inst for Sci Info. All rts. reserv.

09732188 Genuine Article#: 434ZD No. References: 20

Title: Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams

Author(s): Tiitta ME; Beall FC (REPRINT) ; Biernacki JM

Corporate Source: Univ Calif Berkeley, Forest Prod Lab, 1301 S 46th St/Richmond//CA/94804 (REPRINT); Univ Calif Berkeley, Forest Prod Lab, Richmond//CA/94804; Univ British Columbia, Dept Wood Sci, Vancouver/BC V5Z 1M9/Canada/

Journal: WOOD SCIENCE AND TECHNOLOGY, 2001, V35, N1-2 (APR), P85-96

ISSN: 0043-7719 Publication date: 20010400

Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Tiitta ME; Beall FC (REPRINT) ; Biernacki JM

Abstract: Bayes, k-nearest neighbor (KNN), and neural network classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

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1/3,K/4 (Item 1 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2002 CAB International. All rts. reserv.

04106665 CAB Accession Number: 20013093234

Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams.

Tiitta, M. E.; Beall, F. C.; Biernacki, J. M.

Forest Products Laboratory, University of California, 1301 South 46th Street, Richmond, CA 94804-4698, USA.

Wood Science and Technology vol. 35 (1/2): p.85-96

Publication Year: 2001

ISSN: 0043-7719 --

Language: English

Document Type: Journal article

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... using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the neural network classifier for detecting small levels of decay (10% of the cross section) and a 68...

...DESCRIPTORS: **neural networks** ;  
Tiitta, M. E.; Beall, F. C.; Biernacki, J. M.

1/3,K/5 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2002 FIZ TECHNIK. All rts. reserv.

01568938 20011108320  
Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams  
Tiitta, ME; Beall, FC; Biernacki, JM  
Forest Products Lab., Univ. of California, Richmond, USA; Dept. of Wood Sci., Univ. of British Columbia, Vancouver, CDN  
Wood Sci. a. Technol., v35, n1/2, pp85-96, 2001  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0043-7719

Tiitta, ME; Beall, FC; Biernacki, JM

ABSTRACT:  
Bayes, k-nearest neighbor (KNN), and **neural network** classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

...using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the **neural network** classifier for detecting small levels of decay (10% of the cross section) and a 68...  
DESCRIPTORS: WOOD; BAYES METHOD; ULTRASONIC WAVES; ACOUSTIC MEASURING METHOD; ARTIFICIAL **NEURAL NETWORKS** ; EFFICIENCY FACTOR; POWER; BEAM

1/3,K/6 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2002 INIST/CNRS. All rts. reserv.

15116190 PASCAL No.: 01-0277015  
Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams  
TIITTA M E; BEALL F C; BIERNACKI J M  
University of California, Forest Products Laboratory, 1301 South 46th Street, Richmond, CA 94804-4698, United States; University of British Columbia, Dept. of Wood Science, Canada  
Journal: Wood science and technology, 2001, 35 (1-2) 85-96  
Language: English

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TIITTA M E; BEALL F C; BIERNACKI J M  
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1/3,K/7 (Item 1 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00721370 PAPERCHM NO: UNPUBLISHED

Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams

Tiitta, M.E.; Beall, F.C.; Biernacki, J.M.

AUTHOR AFFILIATION: Tiitta, M.E. (University of California Forest Products Laboratory: Richmond, CA 94804-4698: United States)

SOURCE: Wood Sci Technol 35, no. 1-2: 85-96 (April 2001.) (English)  
20 ref.

Tiitta, M.E.; Beall, F.C.; Biernacki, J.M.

Bayes, k-nearest neighbor (KNN), and neural network classifiers were used to study the decay detection efficiency of acousto-ultrasonics (AU). Brown-rotted...

... using multiple signal feature sets in classification analysis. A 79% efficiency was achieved with the neural network classifier for detecting small levels of decay (10% of the cross section) and a 68...

1/3,K/8 (Item 1 from file: 440)

DIALOG(R)File 440:Current Contents Search(R)

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12791944 GENUINE ARTICLE#: 434ZD NO. REFERENCES: 20

TITLE: Classification study for using acoustic-ultrasonics to detect internal decay in glulam beams

AUTHOR(S): Tiitta ME; Beall FC (REPRINT); Biernacki JM

CORPORATE SOURCE: Univ Calif Berkeley, Forest Prod Lab, 1301 S 46th St/Richmond//CA/94804 (REPRINT); Univ Calif Berkeley, Forest Prod Lab, /Richmond//CA/94804; Univ British Columbia, Dept Wood Sci, /Vancouver/BC V5Z 1M9/Canada/

PUBLICATION TYPE: JOURNAL

PUBLICATION: WOOD SCIENCE AND TECHNOLOGY, 2001, V35, N1-2 (APR), P85-96

PUBLISHER: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA

ISSN: 0043-7719

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AUTHOR(S): Tiitta ME; Beall FC (REPRINT); Biernacki JM

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